

This listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

- 1 -6. (Cancelled)
7. (Currently Amended) A reactor for generating moisture, having an inlet side and an outlet side, comprising:
- a first reactor structural component on the inlet side of the reactor having an outside wall;
 - a second reactor structural component on the outlet side of the reactor having an outside wall, wherein the first and second components are mated to form a reactor shell having an interior space;
 - a material gas supply passage provided in the first reactor structural component disposed to supply material gases into the interior space;
 - a material gas supply joint connected to the material gas supply passage;
 - a moisture gas outlet passage provided in the second reactor structural component to lead out moisture from the interior space;
 - a moisture gas take-out joint connected to the moisture gas outlet passage;
 - fin base plates attached to the outside walls of the first and second components;
 - a plurality of fins disposed on the fin base plates;
 - a heater, having an outside, disposed on the outside wall of the second component; and
 - a heater pressing plate, having an outside, disposed on the outside of the heater, wherein the fin base plate is attached to the outside of the heater pressing plate,
- wherein at least one of the fin base plates comprises a through hole for the corresponding joint, and a notch connected with the through hole and having a width of approximately the same diameter as the through hole.
8. (Cancelled)
9. (Currently Amended) A reactor for generating moisture according to claim 7 wherein said fins are disposed symmetrically about the material gas supply joint.
10. (Cancelled)

11. (Currently Amended) A reactor for generating moisture according to claim 7 wherein said fins are disposed symmetrically about the moisture gas take-out joint.
12. (Cancelled)
13. (Original) A reactor for generating moisture according to claim 9, wherein said fins are axially symmetrical about said material gas supply joint.
14. (Cancelled)
15. (Original) A reactor for generating moisture according to claim 9, wherein said fins are axially symmetrical about said moisture take-out joint.
16. (Cancelled)
17. (Original) A reactor for generating moisture according to claim 9, wherein said fins are centrally symmetrical about said moisture take-out joint.
18. (Cancelled)
19. (Currently Amended) A reactor for generating moisture according to claim 7, wherein said fins comprise surfaces treated with alumite.
20. (Cancelled)